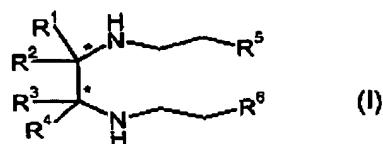


IN THE CLAIMS:

(Cancel Claim 17)

1. (Original) Compounds of the formula (I)



where

* marks stereogenic carbon atoms which each independently have R- or S-configuration, excluding meso-forms and

R¹, R², R³ and R⁴ are each independently hydrogen, C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or R¹, R², R³ and R⁴ together with ethylene bridge are 1,2-(C₅-C₈-cycloalkyl) and

R⁵ and R⁶ are each independently radicals which are selected from the group of -COOR⁷, -CONR⁸R⁹, -CN or -PO(OR¹⁰)₂ where R⁷, R⁸, R⁹ and R¹⁰ are each C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or NR⁸R⁹ as a whole is a cyclic amino radical having a total of 4 to 12 carbon atoms.

2. (Original) Compounds according to Claim 1, characterized in that R¹, R², R³ and R⁴ are each independently hydrogen, C₁-C₈-alkyl or C₄-C₂₄-aryl, or R¹, R², R³ and R⁴ together with the ethylene bridge are each 1,2-cyclohexylene.

3. (Original) Compounds according to Claim 1, characterized in that R¹, R², R³ and R⁴ together with the ethylene bridge are each (R,R)- and (S,S)-1,2-diphenyl-1,2-ethylene or (R,R)- and (S,S)-1,2-cyclohexylene.

4. (Original) Compounds according to Claim 1, characterized in that R⁵ and R⁶ are each independently selected from the group of -COOR⁷, -CONR⁸R⁹, -CN or -PO(OR¹⁰)₂ where R⁷, R⁸, R⁹ and R¹⁰ are each C₁-C₄-alkyl or C₄-C₂₄-aryl.

5. (Original) The compound of Claim 1 which is (1S,2S)- and (1R,2R)-bis-[N-(2-dimethylphosphonatoethyl)amino]cyclohexane, (1S,2S)- and (1R,2R)-bis-[N-(2-diethylphosphonatoethyl)amino]-cyclohexane, (1S,2S)- and (1R,2R)-bis-[N-(2-diphenylphosphonatoethyl)amino]cyclohexane, (1S,2S)- and (1R,2R)-bis-[N-(2-cyanoethyl)amino]cyclohexane, (1S,2S)- and (1R,2R)-bis-[N-(2-carboxylethylethyl)amino]cyclohexane and (1S,2S)- and (1R,2R)-bis-[N-(2-carboxymethylethyl)amino]-cyclohexane, (1S,2S)- and (1R,2R)-bis-[N-(2-dimethylphosphonatoethyl)amino]-1,2-diphenylethane, (1S,2S)- and (1R,2R)-bis-[N-(2-diethylphosphonatoethyl)amino]-1,2-diphenylethane, (1S,2S)- and (1R,2R)-bis-[N-(2-diphenylphosphonatoethyl)amino]-1,2-diphenylethane, (1S,2S)- and (1R,2R)-bis-[N-(2-cyanoethyl)amino]-1,2-diphenylethane, (1S,2S)- and (1R,2R)-bis-[N-(2-carboxylethylethyl)amino]-1,2-diphenylethane, or (1S,2S)- and (1R,2R)-bis-[N-(2-carboxymethylethyl)amino]-1,2-diphenylethane.

6. (Original) Transition metal complexes containing compounds according to Claim 1.

7. (Original) Transition metal complexes according to Claim 6, characterized in that the ratio of transition metal to compounds of the formula (I) is 0.5 to 1.5.

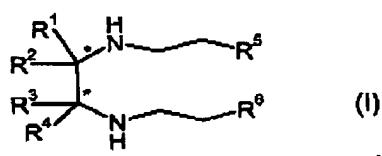
8. (Original) Transition metal complexes according to Claim 6, characterized in that the compounds are zinc and cobalt complexes.

9. (Currently Amended) Transition metal complexes according to Claim 6, characterized in that the transition metal complexes are obtainable by reacting halides, carbonates, cyanurates, isocyanates, sulphates, phosphates,

nitrates, carboxylates or alkoxides of zinc or cobalt with ~~compounds according to~~

Claim 4.

a compound of the formula (I)



where

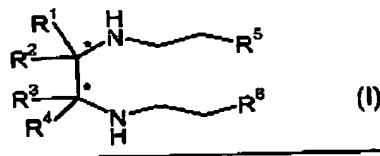
* marks stereogenic carbon atoms which each independently have R- or S-configuration, excluding meso-forms and

R¹, R², R³ and R⁴ are each independently hydrogen, C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or R¹, R², R³ and R⁴ together with ethylene bridge are 1,2-(C₅-C₈-cycloalkyl) and

R⁵ and R⁶ are each independently radicals which are selected from the group of -COOR⁷, -CONR⁸R⁹, -CN or -PO(OR¹⁰)₂ where R⁷, R⁸, R⁹ and R¹⁰ are each C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or NR⁸R⁹ as a whole is a cyclic amino radical having a total of 4 to 12 carbon atoms.

10. (Original) Transition metal complexes according to Claim 9, characterized in that a reducing agent is further in the reaction.

11. (Currently Amended) Transition metal complexes according to Claim 6, characterized in that the transition metal complexes are prepared by reacting zinc compounds ZnY₂ or ZnYHal where Y is in each case independently hydrogen, BH₄ or an organic radical, and Hal is bromine, chlorine or iodine with ~~compounds according to Claim 1, a compound of the formula (I)~~



wherein

• marks stereogenic carbon atoms which each independently have R- or S-configuration, excluding meso-forms and

R¹, R², R³ and R⁴ are each independently hydrogen, C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or R¹, R², R³ and R⁴ together with ethylene bridge are 1,2-(C₅-C₈-cycloalkyl); and

R⁵ and R⁶ are each independently radicals which are selected from the group of -COOR⁷, -CONR⁸R⁹, -CN or -PO(OR¹⁰)₂ where R⁷, R⁸, R⁹ and R¹⁰ are each C₁-C₁₂-alkyl, C₄-C₂₄-aryl or C₅-C₂₅-arylalkyl, or NR⁸R⁹ as a whole is a cyclic amino radical having a total of 4 to 12 carbon atoms.

12. (Original) Catalysts comprising transition metal complexes according to Claim 6.

13. (Original) Process for asymmetrically reducing ketones with silanes in the presence of catalysts, characterized in that the catalysts used are those according to Claim 12.

14. (Original) Process according to Claim 13, characterized in that the silanes used are those of the formula (V)



where

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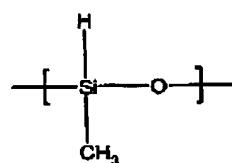
- 5 -

r is one, two or three

and

$$(s + t + u + v) = (4 - r)$$

or polymethylhydrosiloxane (PMHS) having the repeating structural unit



15. (Original) Process according to Claim 13, characterized in that the amount of catalyst is in a molar ratio of transition metal to ketone used of 0.01 to 0.20.

16. (Original) Process according to Claim 13, characterized in that the ketones used are aryl ketones.

17. (Cancelled)

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